AN THE BLIND BE MADE TO SEE? EL Curious Experiment

man eye does. This image is then concan be conveyed to the brain by some veyed by electricity to the brain, inde-other agency than that of the eyes, it fol-pendently of the eyes, whether the sub-lows that a blind man who has a sound ject possesses them or not. Dr. Stiens will mind will be able to see perfectly well, not divulge the complete nature and work. This is exactly what my invention accom-

faintest glimmer of light.

ONDON, Sept. 16.—No little sensation has been created by the announcement of Dr. Peter Stiens, a Russian physician, living here, that he has devised an apparatus whereby the blind may be made to see, even when their eyes are hopelessly destroyed.

At first the announcement was received with incredulity by scientists and intelligent people, but investigation shows that the invention is not to be lightly dismissed, and it will continue to excite profound interest until its nature is fully known.

Dr. Stiens explains that his invention includes an apparatus which focuses an image of the objects before it—as the human eye does. This image is then contend to the profound the excited by the conveyed to the centre of perception in the brain by the optic nerve. The blind man 'who perceives the size, shape and nature of an object with his hands sees in a limited sense. If men had evolved without eyes, but with all their present brain power, they would doubtless be able to see by some other method. Some of the lower animals have no eyes, but perceive light with their whole bodies.

"Now, if an image of material objects can be conveyed to the brain by some

not divuige the complete nature and working of his invention, because he says it is plishes.

The Sunday Journal correspondent visited of ou the retina of the eye and is Dr. Stiens and induced him to give a demonstration of his invention. I was to the brain. Such a use of the electric taken into a small dark room and there heavily blindfolded. The doctor them the process well known to science as struck a number of matches which I heard cataphoresis. By this it is possible to converged directly by an electrical current to the brain. Such a use of the electric current has already been foreshadowed in the process well known to science as truck a number of matches which I heard cataphoresis. By this it is possible to converged directly by an electrical current has already been foreshadowed in the process well known to science as truck a number of matches which I heard cataphoresis. By this it is possible to converge the process well known to science as truck a number of matches which I heard cataphoresis. By this it is possible to converge the process well known to science as truck a number of matches which I heard cataphoresis. By this it is possible to converge the process well known to science as truck a number of matches which I heard cataphoresis. and flashed a lamp before me as he told vey medicines, anaesthetics and other sub-me, but I was not able to perceive the stances into the interior of a man's body laintest gilmmer of light. without his being aware of it. By its aid Dr. Stiens then connected my head with cocaine can be sent through the solid bone.

These Photographs Illustrate the Experiment by which Dr. Stiens Enabled a Blinded Man to Sec.

middle is popularly known as the pupil. It is really the adjustable hole in the iris which lets the light pass through to the lens of the eye. The interior of the eyeball is what is called the vitreous humor. It consists of a soft, jelly-like substance. Its use is to give the proper discussion to the globe of the eye. At the very back of the eyeball is what is known as the relina. This is the partupon which is received the picture presented before the eye. It communicates directly with the optic nerve, and is believed to be formed by the outspread of the human eye can probably be obtained by comparing it to the simplest form of camera. Such a camera usually consists of a box painted black inside, with a hole in front for the edmission of a lens and a ground glass plate at the back on which the photographer can see the picture he is about to take.

In the human eye the convex lens of the camera has its counterpart in the crystalline lens, which lies just back of the iris. The dark box is represented by the eyeball and the ground glass screen by the retina. In the case of the camera the screen is enabled to receive clear images of objects at different distances by being shifted forward and back. The lens cam also be one, We often, when deep in tho water the ground glass by take a communication of the pain. The have been regarded as interdependent. The eye is capable of receiving a playing the proper distances of the camera the screen is content to the ground glass screen by the retina.

In the case of the camera the screen is content to the ground glass screen by the retina. The presented by the eyeball and the ground glass screen by the retina. The presented by the eyeball and the ground glass screen by the retina. The presented by the eyeball and the ground glass screen by the retina. The case of the camera the screen is considered as interdependent. The eye is capable of receiving a playing the proper in the crystalline lens, which it has been convex lens of the size of the size of the picture in the reflected From Models Made Specially for the Sunday Journal by E. B. Meyrow its.

at different distances by being shifted for- of this is within the experience of a ward and back. The lens can also be one. We often, when deep in the

screwed out or in. The human eye accom- have our eyes open and fixed, but see



the time and I had an impression that I should have been able to see perfectly if I had remained in connection with the apparatus long enough.

While I was going through this experi-ment I felt a sensation like that of a mild electric current passing through my temples. As soon as the apparatus was dis-

The Muscles of the Eye.

The Human Eye, with Optic Nerve Which Conveys Impression of Sight to the Brain-From Photographics

The Crystalline Lons—From Photograph.

The Muscles of the Eye.

The Human Eye, with Optic Nerve Wenchings by automatically after-ling, because the stimulus of ordinary lists apparatus. Immediately I began to see a dim. light, which suffused my whole surroundings. The doctor then asked me tail or could distinguish any object. I looked and saw a hand held up with outstretched and saw a hand held up with outstretched and saw a hand held up with outstretched and says a hand held up with outs

and there cathered together and passe to the lens. If the light is too strong hole in the Iris contracts so as to a less light to the interior of the eye. The lens of the eye automatically thicker or thinner until the object is

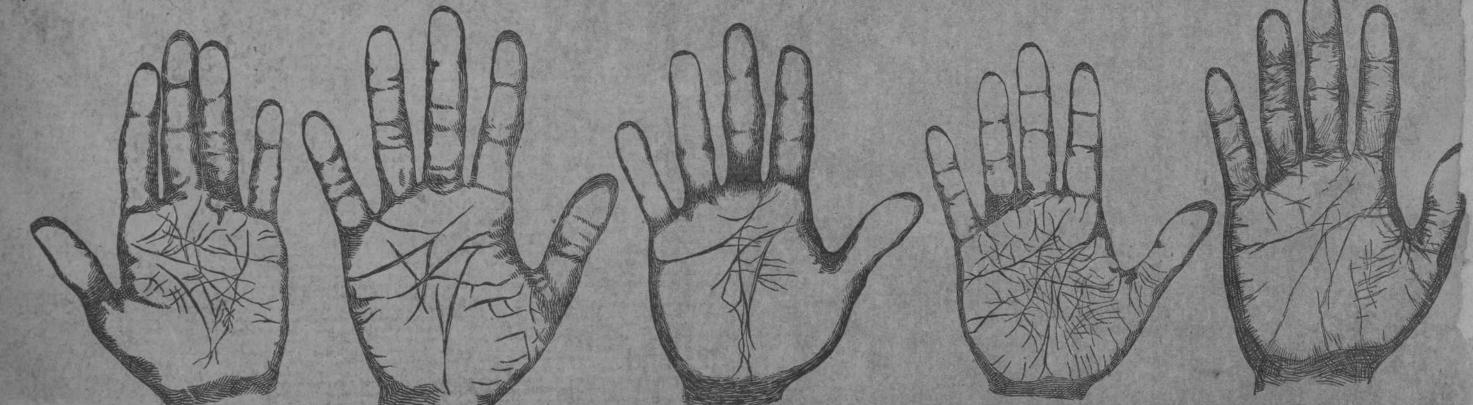
Qurious Filipino Characteristics Shown by Palmistry.

my temwas disck to me

S a great many million Filipinos are enlightened people. It denotes a low grade awares rather than to fight him fairly. He of time.

S a great many million Filipinos are enlightened people. It denotes a low grade awares rather than to fight him fairly. He of time.

This is the hand found in the home—the tender, loving mother and the much-enter of during wife. Her house will be a model of the optic nerve, which is attached to the optic nerve, and the optic nerve, and the optic nerve, and the opt



Romona, or Miss Yellow Ribbon.

Pedro, a Tagalog Rebel.

The Practical Palms of Mr. Emilio of Cebu.

Mariquina, a Pleasant Young Woman of Manila.

Estepano Franco, a Panay Musician.